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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/737,254	12/15/2003	Shengming Huang	50019.268US01/P05726	5822	
23552	7590 12/17/2004		EXAMINER		
MERCHANT & GOULD PC			CUNNINGHA	CUNNINGHAM, TERRY D  ART UNIT PAPER NUMBER	
P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903			ART UNIT		
	,		2816		

DATE MAILED: 12/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)	
Office Action Summary		10/737,254	HUANG ET AL.	
		Examiner	Art Unit	
		Terry D. Cunningham	2816	
T Period for R	he MAILING DATE of this communication app leply	ears on the cover sheet with the c	orrespondence address:	
THE MA - Extension after SIX - If the peri - If NO peri - Failure to Any reply	TENED STATUTORY PERIOD FOR REPL'ILING DATE OF THIS COMMUNICATION.  Is of time may be available under the provisions of 37 CFR 1.1:  (6) MONTHS from the mailing date of this communication.  In od for reply specified above is less than thirty (30) days, a reply of for reply is specified above, the maximum statutory period of the reply is specified above, the maximum statutory period of the reply within the set or extended period for reply will, by statute received by the Office later than three months after the mailing then term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed  s will be considered timely. the mailing date of this community. D (35 U.S.C. & 133).	cation.
Status				
2a)∐ Th 3)∐ Sir	sponsive to communication(s) filed on is action is <b>FINAL</b> . 2b) This nce this application is in condition for allowar sed in accordance with the practice under E	_ action is non-final. nce except for formal matters, pro		ts is
Disposition	of Claims			
4a) 5)□ Cla 6)⊠ Cla 7)⊠ Cla	aim(s) 1-20 is/are pending in the application.  Of the above claim(s) is/are withdrawaim(s) is/are allowed.  aim(s) 1-3,5-8 and 12-20 is/are rejected.  aim(s) 4 and 9-11 is/are objected to.  aim(s) are subject to restriction and/or	vn from consideration.		
Application	Papers			
10)⊠ The App Rep	e specification is objected to by the Examine drawing(s) filed on 15 December 2003 is/a plicant may not request that any objection to the objectment drawing sheet(s) including the correct coath or declaration is objected to by the Ex	re: a) $\square$ accepted or b) $\square$ object drawing(s) be held in abeyance. See ion is required if the drawing(s) is object.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.1	
Priority und	er 35 U.S.C. § 119			
a)	Certified copies of the priority documents	s have been received. s have been received in Applicati ity documents have been receive 1 (PCT Rule 17.2(a)).	on No ed in this National Stage	<b>;</b>
Attachment(s)				
1) Notice of (2) Notice of (3) Informatio	References Cited (PTO-892) Draftsperson's Patent Drawing Review (PTO-948) on Disclosure Statement(s) (PTO-1449 or PTO/SB/08) (s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	(PTO-413) ate ratent Application (PTO-152)	

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#### **DETAILED ACTION**

### Claim Rejections - 35 USC § 112

Claim 2 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 2, "a first transistor" has already been recited in claim 1.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 5-8 and 12-20 are rejected under 35 U.S.C. 102(b) as being anticipated by D'Angelo (USPN 6,166,530).

With respect to claims 1-3, 5-8 and 12-16, D'Angelo discloses, in Fig. 5, a circuit comprising: "a power device (102 and 114)"; "a load (104)"; "a current sense circuit (148-152)"; "a first transistor (110)"; "a second transistor (one or more of 128-136)"; "a comparator (140-146)"; and "a level shifter (154)", all connected and operating similarly as recited by Applicant.

With respect to claims 17-20, clearly the above circuit to D'Angelo will provide the recited method.

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Claims 4 and 9-11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Terry Cunningham whose telephone number is 571-272-1742. The examiner can normally be reached on Monday-Thursday from 7:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy P. Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TC December 13, 2004 Terry D. Cunningham Primary Examiner Art Unit 2816